

position.

34. The apparatus of claim 32 wherein said electric motor receives electrical power from one of (i) a wireline from a surface source, and (ii) a downhole power source.

35. The apparatus of claim 32 wherein said motor is energized only when said control circuit receives current having a first polarity; and further comprising a perforating gun connected to said housing, said perforating gun firing upon receiving electrical current having a second polarity different from said first polarity.

36. The apparatus of claim 32 wherein the direction of rotation of said motor is controlled by cycling electrical power to said control circuit.

37. The apparatus of claim 32 wherein said slip is biased toward said retracted position.

C1 38. The apparatus of claim 32 further comprising a mechanical release associated with said slip, said mechanical release configured to move said slip from said extended position to said retracted position.

39. The apparatus of claim 38 wherein said mechanical release selectively engages a slip guide configured to move said slip between said retracted position and said extended position.

40. The apparatus of claim 43 wherein said mechanical release is activated by changing the tension on a wireline connected to said housing.

41. An apparatus for anchoring a tool in a wellbore, comprising:  
a housing;  
a slip disposed in said housing, said slip adapted to move radially between a retracted position and an extended position;  
an electric motor coupled to said slip, said motor moving said slip between said retracted position and said extended position when energized; and

a wiring assembly disposed in said housing, said wiring assembly electrically coupling the tool to a power supply.

42. The apparatus of claim 41 wherein said power supply is located at one of (i) a surface location, and (ii) a downhole location.

43. The apparatus of claim 41 wherein said wiring assembly includes a coiled wire for allowing axial movement of the apparatus.

44. The apparatus of claim 41 wherein said wiring assembly is coupled to a firing head of a perforating gun.

45. The apparatus of claim 41 wherein said wiring assembly is in electrical communication with a control circuit associated with said motor.

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46. A method for anchoring a tool in a wellbore, comprising:  
disposing a slip on a housing, the slip being adapted to move radially between a retracted position and an extended position;  
coupling an electric motor to the slip;  
moving the slip between the retracted position and the extended position by energizing the motor; and  
controlling the direction of rotation of the motor with a control circuit, the circuit being configured to selectively change the polarity of the current supplied to the motor.

47. The method of claim 46 wherein the control circuit is configured to selectively change the polarity of current supplied to the motor.

48. The method of claim 46 wherein the control circuit cuts current to the motor when the slip moves to one of the retracted position and the extended position.

49. The method of claim 46 further comprising: connecting a perforating gun to the housing; energizing the motor only when supplying to the control circuit a current having a

first polarity; and firing the perforating gun by supplying an electrical current having a second polarity different from the first polarity.

50. The method of claim 46 wherein the control circuit is configured to detect an over current caused by the motor.

51. The method of claim 46 further comprising changing the direction of rotation of the motor by cycling the supply of electrical power to the control circuit.

52. The method of claim 46 further comprising mechanically retracting the slip from the extended position to the retracted position.

C1 53. The method of claim 52 further comprising biasing the slip toward the retracted position.

54. The method of claim 52 changing the tension on a wireline connected to the housing to activate a mechanical release that retracts the slip.

55. The method of claim 46 further comprising electrically coupling the tool to a power supply with a wiring assembly associated with the housing.

56. The method of claim 46 further comprising coupling the wiring assembly to a firing head of a perforating gun; and activating the perforating gun by supplying electricity to the firing head via the wiring assembly.

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